2

## In the Claims

5

Below is a list of current claims with status identifiers.

- 1. [Originally Filed] A non-compliant medical balloon, where the non-compliant medical balloon may be changed from a deflated state to an inflated state by increasing pressure within the balloon, comprising:
  - a first fiber layer;
- a second fiber layer over said first fiber layer such that the fibers of the first fiber layer and the fibers of the second fiber layer form an angle;
  - a binding layer coating the first fiber layer and said second fiber layer;
  - wherein an interior surface area of the non-compliant medical balloon remains substantially unchanged when the balloon changes from a deflated state to an inflated state.
  - 2. [Originally Filed] The non-compliant medical balloon of claim 1, wherein said first fiber layer comprises inelastic fibers.
  - 3. [Originally Filed] The non-compliant medical balloon of claim 1, wherein said first fiber layer comprises a plurality of parallel first fibers.
  - 4. [Originally Filed] The non-compliant medical balloon of claim 1, further comprising an adhesive layer adhering to said first fiber layer.
  - 5. [Originally Filed] The non-compliant medical balloon of claim 1, wherein said second fiber layer comprises a plurality of parallel second fibers.
  - 6. [Originally Filed] The non-compliant medical balloon of claim 1, wherein said angle is substantially a right angle.

AMENDMENT AND RESPONSE S/N 10/726-960 Atty, Dkt. No. FMED-26,553

3

- 7. [Originally Filed] The non-compliant medical balloon of claim 1, wherein said angle does not change when the balloon changes from a deflated state to an inflated state.
- 8. [Originally Filed] The non-compliant medical balloon of claim 3, wherein said plurality of parallel first fibers are substantially parallel to the longitudinal axis of the balloon.
- 9. [Originally Filed] The non-compliant medical balloon of claim 5, wherein said plurality of parallel second fibers are substantially transverse to the longitudinal axis of the balloon.
- 10. [Originally Filed] The non-compliant medical balloon of claim 1, wherein said binding layer is a polymeric coating.
- 11. [Originally Filed] The non-compliant medical balloon of claim 10, wherein said polymeric coating is formed of a polymer.
- 12. [Originally Filed] The non-compliant medical balloon of claim 10, wherein said polymeric coating is formed of a copolymer.
- 13. [Originally Filed] The non-compliant medical balloon of claim 3, wherein said parallel first fibers each have a thickness of about 0.0005 inch.
- 14. [Originally Filed] The non-compliant medical balloon of claim 5, wherein said parallel second fibers each have a thickness of about 0.0005 inch.
- 15. [Originally Filed] The non-compliant medical balloon of claim 5, wherein said parallel second fibers have a wind density of approximately 50 wraps per inch.
- 16. [Originally Filed] The non-compliant medical balloon of claim 1, wherein said angle is about ten degrees.

AMENDMENT AND RESPONSE S/N 10/726,960 Atty. Dkt. No. FMED-26,553 4

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17. [Originally Filed] The non-compliant medical balloon of claim 1, further comprising a third fiber layer on said second fiber layer.

AMENDMENT AND RESPONSE S/N 10/726,960 Atty. Dkt. No. FMED-26,553

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